

ABSTRACT

A haptic function-provided input device performs a touch operation to slide on an input detection plane. The device includes an input detection unit, which has the input detection plane, that detects a touching position of an operation body and a sliding speed of the operation body. The device also includes a computation unit that computes a vibration pattern based on the sliding speed detected by the input detection unit. Further, the device includes a vibration unit that vibrates the input detection plane based on the vibration pattern computed by the computation unit. The computation unit computes the vibration pattern further based on a shift in an excitation timing between two actuators of the vibration unit.